



219.40432X00  
Serial No. 09/963,637

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: BRIST et al.  
Serial No.: 09/963,637  
Filed: September 27, 2001  
For: WAVEGUIDE IN A PRINTED CIRCUIT BOARD  
AND METHOD OF FORMING THE SAME  
Group Art Unit: 2874  
Examiner: Sung H. Pak

AMENDMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

May 28, 2003

Sir:

In response to the Office Action dated May 2, 2003, please amend the above-identified application as follows:

IN THE CLAIMS:

Please cancel claim 20 without prejudice or disclaimer.

Please amend 5, 9, 10, 13-15, 17 and 19 as follows:

5. (Amended) The method of claim 1, wherein said at least one metalized surface comprises sidewall surfaces and a bottom surface of a waveguide structure.

TECHNOLOGY CENTER 2800  
MAY 30 2003  
U.S. PATENT & TRADEMARK OFFICE

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# FEE TRANSMITTAL for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT (\$)**

126.00

**Complete if Known**

Application Number	09/963,637
Filing Date	September 27, 2001
First Named Inventor	BRIST et al.
Examiner Name	2874

MAY 28 2003

Art Unit	Sung H. Pak
Attorney Docket No.	219.40432X00

**METHOD OF PAYMENT** (check all that apply) Check  Credit Card  Money Order  Other  None Deposit Account

Deposit Account Number 01-2135

Deposit Account Name Antonelli, Terry, Stout &amp; Kraus, LLP

The Commissioner authorized to: (check all that apply)

- Charge fees indicated below  Credit any overpayments  
 Charge any additional fee(s) during the pendency of this application  
 Charge fees indicated below, except for the filing fee to the above-identified deposit account.

**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1001	2001	375 Utility filing fee	
1002	2002	165 Design filing fee	
1003	2003	260 Plant filing fee	
1004	2004	375 Reissue filing fee	
1005	2005	80 Provisional filing fee	

**SUBTOTAL (1)****2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE**

Fee from Extra Claims below			Fee Paid
Total Claims	33	-26** = 7	x 18 = 126.00
Indep. Claims	4	-4** = 0	x 0 = 0
Multiple Dependent			=

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
1202	2202	Claims in excess of 20

**SUBTOTAL (2) \$ 126.00**

\*\*or number previously paid, if greater. For Reissues, see above.

**3. ADDITIONAL FEES**

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1051	130	2051 Surcharge – late filing fee or oath	
1052	50	2052 Surcharge – late provisional filing fee or cover sheet	
1053	130	1053 Non-English specification	
1812	2,520	1812 2,520 For filing a request for ex parte reexamination	
1804	920*	1804 920* Requesting publication of SIR prior to Examination action	
1805	1,840*	1805 1,840* Requesting publication of SIR after Examiner action	
1251	110	2251 E-tension for reply within first month	
1252	410	2252 E-tension for reply within second month	
1253	930	2253 E-tension for reply within third month	
1254	1,450	2254 E-tension for reply within fourth month	
1255	1,970	2255 E-tension for reply within fifth month	
1401	320	2401 Notice of Appeal	
1402	320	2402 Filing a brief in support of an appeal	
1403	280	2403 Request for oral hearing	
1451	1,510	1451 1,510 Petition to institute a public use proceeding	
1452	110	2452 Petition to revive – unavoidable	
1453	1,300	2453 Petition to revive – unintentional	
1501	1,300	2501 Utility issue fee (or reissue)	
1502	470	2502 Design issue fee	
1503	630	2503 Plant issue fee	
1406	130	1460 Petitions to the Commissioner	
1807	50	1807 Processing fee under 37 CFR 1.17(q)	
1806	180	1806 Submission of Information Disclosure Stmt	
8021	40	8021 Recording each patent assignment per property (times number of properties)	
1809	750	2809 Filing a submission after final rejection (37 CFR § 1.129(a))	
1810	750	2810 For each additional invention to be examined (37 CFR § 1.129(b))	
1801	750	2801 375 Request for Continued Examination (RCE)	
1802	900	1802 900 Request for expedited examination of a design application	

Other fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid

**SUBTOTAL (3) (\$)****SUBMITTED BY****Complete (if applicable)**

Name (Print/Type)	David C. Oren	Registration No. (Attorney/Agent)	38,694	Telephone	(703) 312-6600
Signature			Date	05/28/2003	

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